AMENDMENTS TO THE CLAIMS

Claims 1-11 (Cancel)

Claim 12 (New) A system-method for the formation of a layering of electronically-interactive liquefied material, which is solidified/polymerized, on a support surface formed by a sheet/card, characterized by the fact that:

- a computer controlled machine is used, with a mobile support bed which goes backwards and forwards with a transversal bridge passing over it and which has transversal guide means for the alternate transversal movement, above the said mobile support bed, of a distribution unit for the material, in which there is a distribution means for point-type sprays at programmed differential pressure, equipped with a series of punctiform nozzles to distribute respective points of the liquefied material, which correspond to pixels, in a controlled, programmed way;

- the said sheet/card is fastened on the surface of the said mobile support bed, and

(i) the said mobile support bed, on which there is the said sheet/card, is moved forward according to the program below the said bridge and below the said distribution unit;

(ii) the said distribution unit is moved transversally above the said sheet/card, and the said distribution means deposits, by means of points, and according to a programmed design, at least one layer of the said electronically-interactive material, with differentiation of the distribution pressure of the said liquefied material at two different values pl and p2, where:

"pl" is the pressure at the start of the distribution and depositing phase, and

"p2" is the continuous pressure during the distribution of the deposit, wherein

$$pl > p2;$$

- phases (i) and (ii) being repeated until the whole of the required surface interested area of the said support sheet/card is covered, and being provided further means that, during the non-operational phase, are able to apply a supply pressure "p3" > "pl" in order to clean a respective filtering system in the feeding system of the said liquefied distribution-depositing material.

Claim 13 (New) A system-method according to claim 12, characterized by the fact that, to the side of the said distribution means for point-type sprays, there is an ultra-violet ray head which is suitable for polymerising the said electronically-interactive liquefied distribution-depositing material.

Claim 14 (New) A system-method according to the previous claim 13, characterized by the fact that the said ultra-violet polymerization head is electronically controllable to supply the energy required to fix the said material on the said support.

Claim 15 (New) A system-method according to claim 12, characterized by the fact that, to the side of the said distribution means for point-type sprays, there is an ultrasonic distance sensor which detects the distance of the said distribution means from the depositing surface on the said sheet/card, and which transmits the respective data to the computerized means which controls the movement of the said distribution means.

Claim 16 (New) A system-method according to claim 12, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 17 (New) Computer controlled machine for the depositing of a liquefied electronically-interactive material on a sheet/card, for implementing the system according to the previous claims, characterised by the fact that it includes:

- a base to support the mobile bed which is movable longitudinally by means of a worm screw whose movement is controllable by a computer, and for the support and fixing of the said sheet/card "S" on which the layer of electronically-interactive material is to be formed;
- a bridge above the said base with a transversal shaft which also has a worm screw, to move a distribution unit for the electronically-interactive material to be deposited in an orthogonal direction controlled by the said computer;

- the said distribution unit, with a pressurised distribution means with a series of nozzles for pixel punctiform sprays, fed by a buffer container and above with the fed liquid material in the lower part "L" and air chamber "A", while to the side there is a pressure balance and regulation chamber with its feed line on the bottom of the said buffer, and supply of the said liquid material from a feeder container-tank, where all of these containers have an agitation means and in which, the said pressure balance and regulation chamber has a level indicator and is guided parallel to the said distribution means for point-type sprays when rising and lowering, and in which there are means for varying and regulating the height of the said pressure balance and regulation container to increase or reduce the pressure on the said buffer container either positively or negatively due to the difference in the level in a regulated way.

Claim 18 (New) A computer controlled machine according to the previous claim 17, characterized by the fact that the said feed container -tank includes a connection to a tank located at the side and which is covered by the said distribution means for point-type sprays, so that the said liquid material is able to be recovered and recycled at a recycle pressure of "p3", which is higher than the said distribution-depositing pressures "pl" and "p2", to carry out a cleaning cycle of the respective filtering means located upstream of the nozzles in the said distribution means.

Claim 19 (New) A computer controlled machine according to claim 17, characterized by the fact that the said punctiform spray nozzles are positioned in a longitudinal direction with respect to the direction of movement of the said bed in at least one row.

Claim 20 (New) A computer controlled machine according to claim 17, characterized by the fact that the said punctiform spray nozzles are positioned in a longitudinal direction with respect to the direction of movement of the said bed in a number of rows.

Claim 21 (New) A computer controlled machine according to claim 17, characterized by the fact that, to the side of the said distribution means, there are:

- cooled means for transmitting ultra-violet rays for polymerizing the said material which is deposited;
- means for controlling the distance from the surface to be deposited and
- a television camera, which are all connected interactively to send their respective data to the machine's microprocessor in order to carry out the respective control operations according to the program.

Claim 22 (New) A computer controlled machine according to claim 17, characterized by the fact that it has more than one distribution device in the distribution unit for materials with differentiated electronically-interactive characteristics, among which at least one is actively electronically-interactive and one is non-actively electronically-interactive, or an insulator.

Claim 23 (New) A system-method according to claim 13, characterized by the fact that, to the side of the said distribution means for point-type sprays, there is an ultrasonic distance sensor which detects the distance of the said distribution means from the depositing surface on the said sheet/card, and which transmits the respective data to the computerized means which controls the movement of the said distribution means.

Claim 24 (New) A system-method according to claim 14, characterized by the fact that, to the side of the said distribution means for point-type sprays, there is an ultrasonic distance sensor which detects the distance of the said distribution means from the depositing surface on the said sheet/card, and which transmits the respective data to the computerized means which controls the movement of the said distribution means.

Claim 25 (New) A system-method according to claim 13, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 26 (New) A system-method according to claim 14, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 27 (New) A system-method according to claim 15, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 28 (New) A system-method according to claim 23, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 29 (New) A system-method according to claim 24, characterized by the fact that, to the side of the said distribution means for point-type sprays, a television camera is installed, which has the function of controlling and fine tuning the start, and checking the regularity and conclusion of the distribution-depositing operation.

Claim 30 (New) A computer controlled machine according to claim 18, characterized by the fact that the said punctiform spray nozzles are positioned in a longitudinal direction with respect to the direction of movement of the said bed in at least one row.

Claim 31 (New) A computer controlled machine according to claim 18, characterized by the fact that the said punctiform spray nozzles are positioned in a longitudinal direction with respect to the direction of movement of the said bed in a number of rows.